Tunable Optical Device

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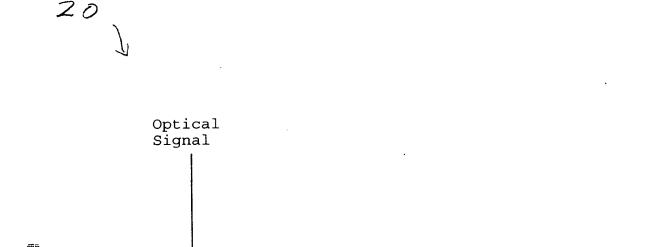
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Compression Tuned
Optical Structure
Signal Containing
Info About Change in
Optical Characteristic
of Compression Tuned
Optical Structure

Compression Tuned

Optical Structure

Displacement
Sensor Signal
Containing Info
about Change in
Displacement of
Compression Tuned
Optical Structure

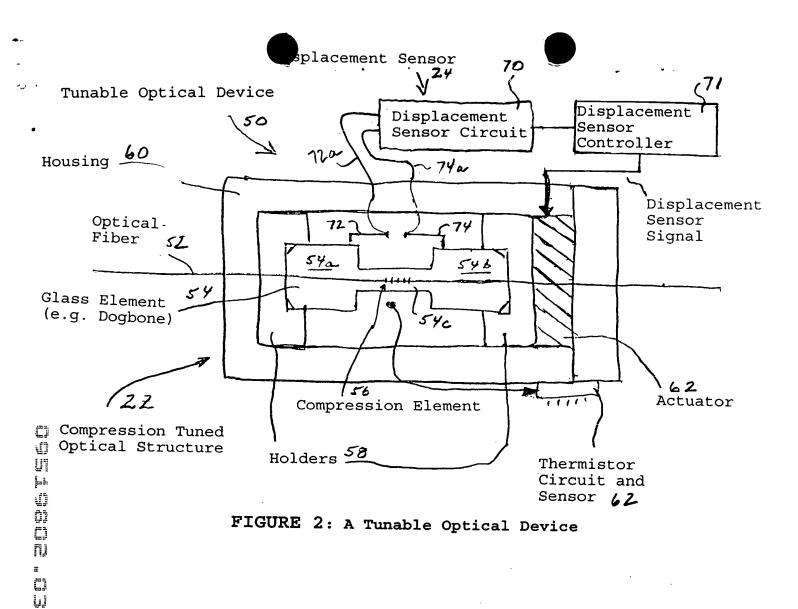
Excitation

24

Displacement

Sensor

FIGURE 1: The Basic Invention



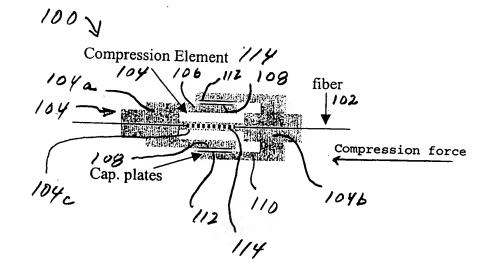


FIGURE 3: Tube-in-Tube Capacitance Sensor Arrangement

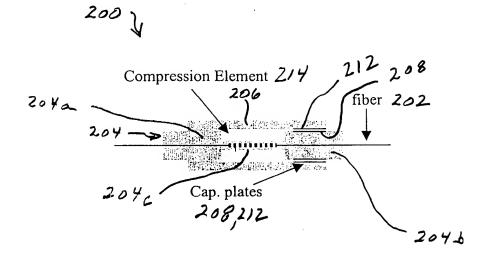


FIGURE 4: Single Tube Capacitance Sensor Arrangement

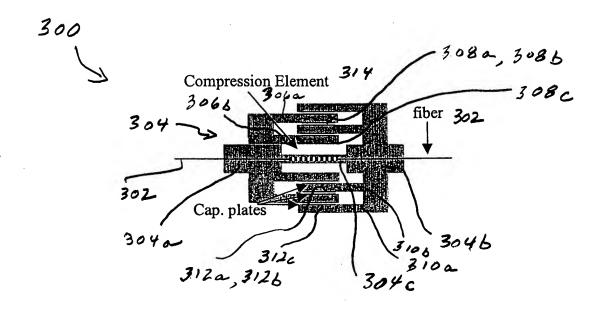


FIGURE 5: Multiple Tube-in-Tube Capacitance Sensor Arrangement

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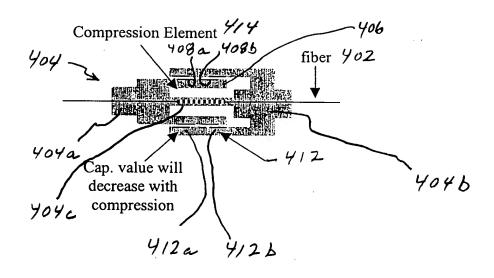


FIGURE 6: Tube-in-Tube Capacitance
Differential Sensor Arrangement

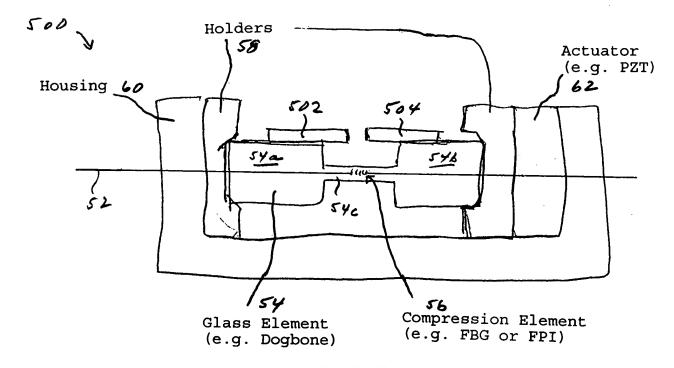
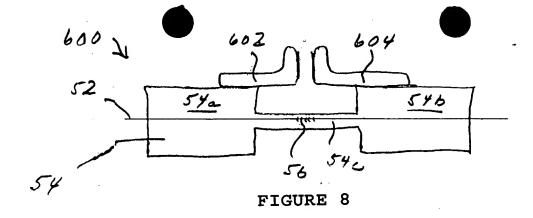
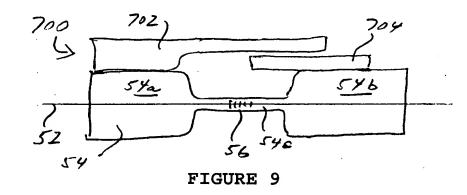


FIGURE 7





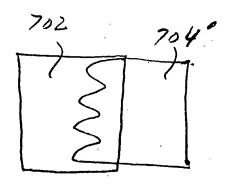


FIGURE 9A

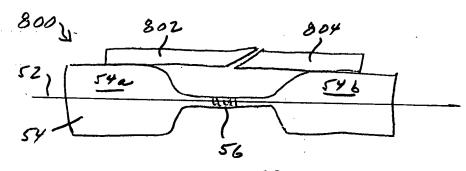


FIGURE 10

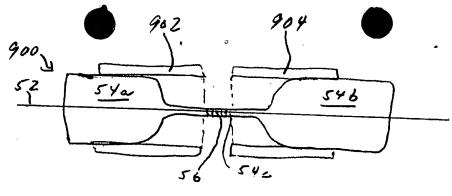


FIGURE 11

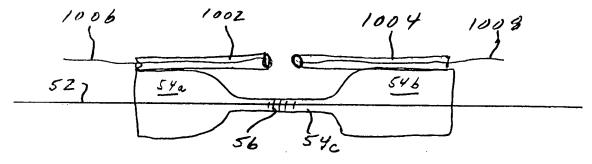


FIGURE 12

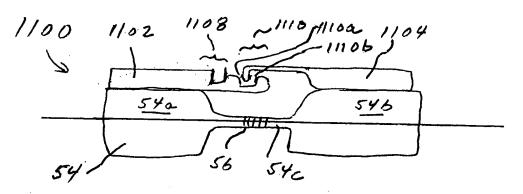
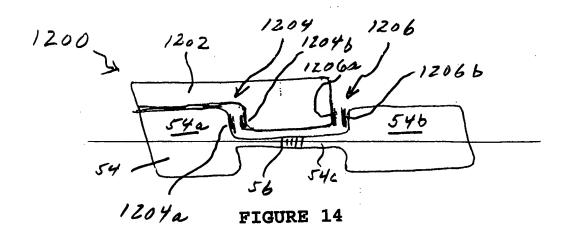


FIGURE 13



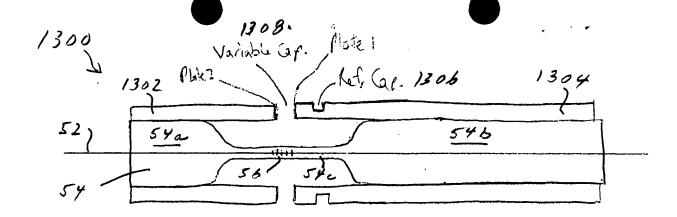


FIGURE 15

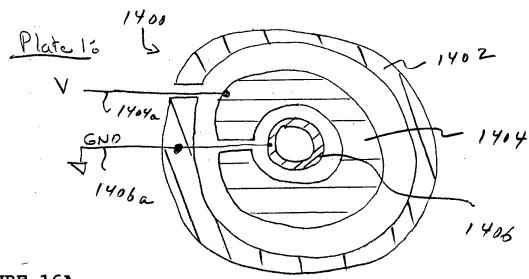


FIGURE 16A

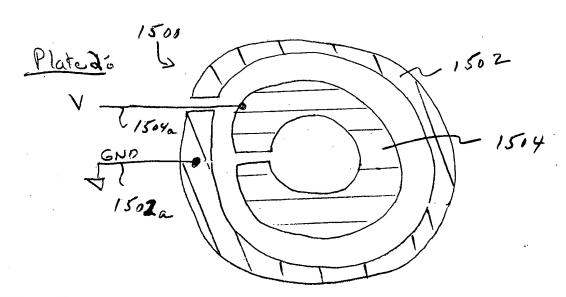


FIGURE 16B